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ACC NR. AP7001863

SOURCE CODE: UR/0362/66/002/012/1253/1258

AUTHOR: Dianov-Klokov, V. I.; Matveyeva, O. A.

ORG: Institute of Atmospheric Physics, Academy of Sciences SSSR (Institut fiziki atmosfery, Akademiya nauk SSSR)

TITLE: The effect of [O₂] and [O₂—N₂] complexes on the transparency of the atmospheric surface layer

SOURCE: AN SSSR. Izvestiya. Fizika atmosfery i okeana, v. 2, no. 12, 1966, 1253-1258

TOPIC TAGS: atmospheric physics, atmospheric transparency, atmospheric optics, molecular absorption, Rayleigh scattering, ozone, aerosol

ABSTRACT: Direct measurements and laboratory data imply that approximately 40% of the total diffuse molecular absorption in the lower atmosphere in the 2800—2300 Å region is due to short-lived [O₂]₂ and [O₂—N₂] complexes. The contribution of molecular oxygen (O₂) is approximately the same. The sum of decimal absorption coefficients for these constituents and for the Rayleigh scattering coefficient equals unity at 2400 Å, and increases rapidly with decreasing wavelength. Even for a minimum concentration of aerosols and ozone in the lower atmosphere, the atmospheric transparency

Card 1/2

UDC: 551.521.3

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DIANOVA, A.

We'll have a housewarming soon. Okhr.truda i sots.strakh. no.12:46 D '59. (MIRA 13:4)

1. Predsedatel' komissii okhrany truda tsekha shassi Vladimirskogo traktornogo zavoda, depui it gorodskogo Soveta.

(Vladimir—Tractor industry)

53630

2209, 1266, 1287

86411 S/062/60/000/008/019/033/XX B013/B055

AUTHORS:

Arbuzov, B. A. and Dianova (Ukhvatova), E. N.

TITLE:

2. Cyclopentenyl. 1-phcsphinic Acid Esters and Some Derivatives

PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk,

1960, No. 8, pp. 1399-1404

TEXT: The effect of trialkyl phosphites and sodium dialkyl phosphites on 3-chloro 1-cyclopentene was studied in the present paper. Treatment of 3-chloro 1-cyclopentene with triethyl phosphite did not yield the desired result: The reaction did not take place at lower temperatures, while at 120°C cyclopentadiene formed in quantitative yield by elimination of hydrogen chloride. With triethyl phosphite, the latter gave ethyl chloride and diethyl phosphinic acid. The reaction of 3-chloro 1-cyclopentene with sodium diethyl phosphite, however, gave the expected cyclopentenyl phosphinic acid ester. By similar reactions, other esters of 2-cyclopentenyl 1-phosphinic acid were obtained. These esters are readily exidized by acetyl hydroperoxide with formation of the corresponding exides. The oxidation of the 2-cyclopentenyl 1-phosphinic acid n-butyl and isobutyl esters by acetyl hydroperoxide, gave besides the exides also higher-Card 1/2

86411

2-Cyclopentenyl-1-phosphinic Acid Esters and S/062/60/000/008/019/033/XX Some Derivatives B013/B055

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boiling fractions. By ultimate analysis and molar refraction, the compounds obtained are shown to correspond to products formed by the elimination of one molecule of water from glycols. The existence of a double bond in these compounds was established by titration with percay-phthalic acid and the infrared spectrum of the isobutyl ester. The position of the double bond is still unclear. The formation of cyclopentenyl phosphinic acid ester is explained by the splitting off of acetic acid during distillation of the oxide obtained with acetyl hydroperoxide. The previously observed stability (Ref. 4) of carbocyclic oxides containing a COOR or CN-substituted six-membered ring towards isomerizing agents was confirmed. The oxides readily hydratized in aqueous dioxane in the presence of hydrochloric acid. The 2,3-dihydroxy-(trans)1-cyclopentyl 1-phosphinic acid esters are viscous and can be distilled in vacuo without decomposition. There are 3 tables and 5 Soviet references.

ASSOCIATION: Khimicheskiy institut im. Butlerova Kazanskogo universiteta im. V. I. Ul'yancva-Lenina (Chemical Institute imeni

Butlerov of Kazan' University imeni V. I. Ul'yanov-Lenin)

SUBMITTED: March 17, 1959

Card 2/2

ARBUZOV, B.A.; DIANOVA, E.N.

Esters of cyclohexen-2-yl-1-phosphonic acid and some of their derivatives. Izv. AN SSSR. Otd.khim.nauk no.7:1288-1291 Jl '61. (MIRA 14:7)

1. Khimicheskiy institut im. A.M. Butlerova Kazanskogo universiteta im. V.I. Ul'yanova-Linina.
(Phosphonic acid)

ARBUZOV, B.A.; DIANOVA, E.N.; SHAGIDULLIN, R.R.

Reaction of carbon disulfide with sodium diethylphosphite. Zhur.ob.khim. 31 no.12:4015-4019 D '61. (MIRA 15:2)

1. Nauchno-issledovatel skiy khimicheskiy institut imeni A.M. Butlerova pri Kazanskom gosudarstvennom universitete i Kazanskiy filial AN SSSR.

(Carbon disulfide) (Phosphorous acid)

ARBUZOV, B.A., DIANOVA, E.N.

Esters of cyclopentene-2-yl- and cyclohexane-2-yl phosphinic acids and certain of their deriatives.

Khimiya i Primenendye Posfororganicheskikh Soyedinaniy (Chemiatry and application of organophosphorus compounds) A. YE. And will, Ed. Tuble by Kazan Affile Acade of SSA, Moscow 1962, 190 one

Collection of complete papers presented at the 1909 Kazan Gonfarence on Chemistry of Transplosophorus Compounds.

£ 16080-65 EWT(m)/EPF(c)/EWP(1) Pc-4/Pr-4 SSD/AFWL JXT(CZ)/RM ACCESSION NR: AP5001947 S/0020/64/158/001/0137/0140

AUTHOR: Arbuzov, B A. (Academician); Dianova, E. N.; Vinogradova, V. S; Shamsutdinova, A. K.

TITLE: Reaction of sodium diethylphosphide with 1, 2-dibromocyclohexane and 1, 2-dibromomethane

SOURCE: AN SSSR. Doklady, v. 158, no. 1, 1964, 137-140

TOPIC TAGS: phosphorus compound, hexane, bromine, organosodium compound, distillation

Abstract: The reaction of sodium diethylphosphide with 1, 2-dibromocyclo-hexane was atudied to determine which phosphorus derivatives are formed. The following compounds were found after distillation of the resulting cyclohexane and phosphorus-containing products: 1) diethylphosphorous acid; 2) a fraction with a 61-61.50 boiling point (2.5 mm), which proved to be a mixture of dibromocyclohexane (60%) with triethylphosphate (40%); 3) tetraethylpyrophosphite; 4) tetraethyl ester of subphosphoric acid; 5) a fraction with a 131-1340 (2 mm) boiling point, which may prove to be tetraethylpyrophosphate, although its physical constants differed somewhat from pyrophosphate constants. It was thus found that organophosphorus Card 1/2

compounds obtained in the re thylphosphide proved to be t diethylphosphide with honor		
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ARBUZOV, B.A.; DIANOVA, E.N.; VINOGRADOVA, V.S.; SHAMSUTDINOVA, A.K.

Nature of di-&-cyanoisopropyl ester of phosphorous acid. Izv. AN SSSR. Ser. khim. no.8:1389-1396 '65.

(MIRA 18:9)

1. Khimicheskiy institut im. A.M. Butlerova Kazanskogo gosudarstvennogo universiteta.

L 1129-66 (N) EWT(1)/EWT(m)/EPF(c)/EWP(1)/EWA(h)-2/EWA(c) RPL JW/EW/RO/RM

ACCESSION NR: AP5022930 UR/0062/65/000/008/1389/1396
661.718.1

AUTHOR: Arbuzov, B. A.; Dianova, E. N.; Vinogradova, V. S.; Shamsutdinova, A. K.

TITLE: The nature of di-a-cyanisopropyl ester of phosphorous acidy () 11/25

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya no. 8, 1965, 1389-1396

TOPIC TAGS: ester, phosphorous acid, IR spectrum

ABSTRACT: The structure of di-a-cyanisopropyl

and tri-a-cyanisopropyl esters of phosphorous acid were investigated by IR spectroscopy. The IR spectra were taken using a Higler H-800 spectrophotometer. The 2000--3500 cm⁻¹ range was investigated with an IKS-14 spectrophotometer. The IR spectrum

Card 1/3

L 1129-66

ACCESSION NR: AP5022930

of di-a-cyanisopropyl ester of phosphorous acid is shown in fig. 1 of the Enclosure. To verify the structure, these spectra were compared with the spectra of products from hydrolysis of the chloroanhydride of di-a-cyanisopropyl phosphoric acid. It was found that di-α-cyanisopropyl as well as tri-α-cyanisopropyl esters of phosphoric acid contain an atom of pentavalent phosphorous. Orig. art. has: 5 figures, 1 formula.

ASSOCIATION: Khimicheskiy institut im. A. M. Butlerova Kazanskogo gosudarstvennogo universiteta (Chemical Institute, Kazan State University)

SUBMITTED: 24Jun63

ENCL: 01

SUB CODE: GC, OC

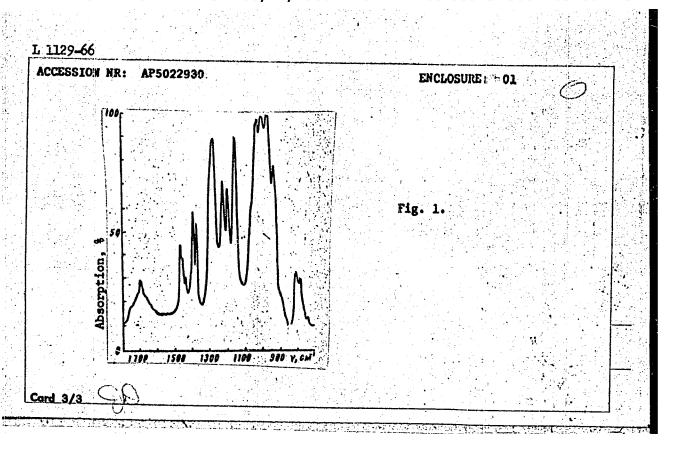
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Card 2/3

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000410320011-9



ARBUZOV, B.A.: DIANOVA, E.N.

Azeotropes of dialkylphosphorous acids with some alcohols. Izv. AN SSSR. Ser. khim. no.9:1584-1591 '65. (MIRA 18:9)

1. Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-Lenina.

1 2077:3-66 EWP(J)/EWT(m) ACC NR: AP6012034 SOURCE CODE: UR/0020/65/160/001/0099/0102 AUTHOR: Arbuzov, V. A. (Academician); Dianova, E. N.; Vinogradova, V. S.; Shamsutdinova, A. K. ORG: Chemical Institute im. A. M. Butlerov, Kazan' State University im. V. I. Ul'yandv-Lenin (Khimicheskiy institut pri Kazanskom gosudarstvennom universitete) TITLE: Reactions of tri-(alpha-cyanoisorpropyl) phosphite, ethyl-di-tert-(beta, beta, beta-trichlorobutyl) phosphite, and tri-(beta, beta, beta-trichlorecethyl) phosphite SOURCE: AN SSSR. Doklady, v. 160, no. 1, 1965, 99-102 TOPIC TAGS: organic phosphorous compound, chlorine compound, ester, chemical reaction Tri-(alpha-cyanoisopropyl) phosphite was found to react with ABSTRACT: chloral at room temperature, forming the di-alpha-cyanoisopropyl ester of alphahydroxy-(beta, beta, beta-trichloreothyl)-phosphinic acid, splitting off methacrylonitrile. The reaction between chloral and tri-ter-(beta, beta, beta-trichlorobutyl) phosphite produced di-ter-(beta, beta, beta-trichlorobutyl)-phosphorous acid, which in turn reacted with chloral to give the di-ter-(beta, beta, beta-trichlorobutyl) ester of alpha-hydroxy-beta, beta-trichloreothylphosphinic acid. The reaction of chloral with mixed di-ter-(beta, beta, beta-trichlorobutyl)-ethyl phosphite produced the di-ter-(beta, beta, beta-trichlorobutyl) ester of alpha-hydroxy-beta, beta, beta-trichloreoethylphosphinic acid and di-ter-(beta, beta, beta-trichlorobutyl)-(beta, beta, -dichlorovinyl) phosphate. Another complete phosphite with electronegative groups in the ester radicals, tri-(beta, beta, beta-trichloroethyl) **Card** 1/2

osphite, reacted with chloral at room temperature to give the di-beta, beta, beta- ichloroethyl ester of alpha-hydroxy-beta, beta, beta-trichloroethyl phosphinic acid. B reaction mechanisms and infrared spectra of the reaction products are discussed. Ig. art. has: 4 figures. [JPRS] B CODE: 07 / SUBM DATE: 11Jun64 / ORIG REF: 005 / OTH REF: 003	
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ACC NR. A'R5011479

SOURCE CODE: UR/0070/66/011/002/0334/0338

AUTHOR: Belyayev, L. M.; Litvin, B. N.; Dianova, I. M.; Mel'nikov, O. K.

10 B

ORG: Institute of Crystallography, AN SSSR (Institut kristallografii AN SSSR)

TITLE: Hydrothermal synthesis of crystal phosphors of the type $\text{Ne}_{\chi}\text{Zn}_{y}\text{Si}_{p}\text{O}_{q}$

SOURCE: Kristallografiya, v. 11, no. 2, 1966, 334-338

TOPIC TAGS: zinc compound optic material, crystal phosphor, synthetic material, luminescence, luminescence spectrum

ABSTRACT: This is a continuation of earlier research (Kristallografiya v. 9, no. 6, 943, 1964) on hydrothermal synthesis of sodium zinc silicates. The present article describes six different crystal phosphors synthesized by this method, with different relative compositions of the components (Na₂O-ZnO-SiO₂-H₂O) and their crystal structures. To obtain luminescent zinc silicates of sodium, an activator in the form of MnO was introduced in the charge. Five out of the six crystals produced a luminescence in the green region of the spectrum under the influence of ultraviolet light, although the maxima were not the same for all crystals. One of the produced crystals was the previously produced willemite Zn₂SiO₄(Mn) whose luminescent properties are well known. However, the maximum obtained for this crystal was somewhat different from the published data, and this difference is ascribed to the difference in the method of preparing the crystal. Orig. art. has: 6 figures.

SUB CODE: 20/ SUBM DATE: 09Feb65/ ORIG REF: 004/ OTH REF: 003

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UDC: 548.52

ACCESSION NR: AP4043196 S/0070/64/009/004/0571/0574

AUTHORS: Litvin, B. N.; Dianova, I. M.; Kachan, L. A.

TITLE: Synthesis and properties of single crystals of the compound $Na_2O.2MnO.2SiO_2$

SOURCE: Kristallografiya, v. 9, no. 4, 1964, 571-574

TOPIC TAGS: crystal growth, synthetic crystal, manganese compound, silicate, single crystal

ABSTRACT: The authors attempted to synthesize hydrothermally a manganese silicate in which the Mn-Mn interaction is weakened by some "inert" component. Sodium was found suitable for this purpose. The crystallization was carried out in a 200-cm³ autoclave lined with titanium. A mixture of MnO and SiO₂ was placed at the bottom of the autoclave and a concentrated solution of sodium hydrate was poured over it. The closed autoclave was then placed in a resistance

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ACCESSION NR: AP4043196

oven for 200 hours and subsequently cooled for 8--10 hours. Large crystals were obtained when the temperature gradient amounted to 1 deg/cm. No change in the production of crystals was observed on changing the concentration of the solute from 20 to 35 weight per cent, or on varying the ratio of MnO to SiO, from 2:1 to 1:2. On lowering the NaOH concentration the yield decreases; on increasing the concentration larger crystals (up to 10 mm) are obtained. crystals are amber in color, transparent, and optically positive. Their specific gravity is 3.46 \pm 0.2, the hardness 6, the luster glassy, and the fracture conchoidal. The indices of refraction are: n' = 1.656, n' = 1.647, n' = 1.641. The crystals are monoclinic with a = 8.4, b = 13.6, and c = 5.69 A; $\beta = 90^{\circ}$ and z = 2. The space group is P2₁/c. The best developed faces are the (100), (110), (120), and (101). The interplanar distances are given in a table (Encl. 01). The chemical composition of the crystals is SiO₂--36.5%, Fe₂O₃--traces, MnO--44.01%, Na₂O--18.80%. The proposed formula may be Na₂Mn₂Si₂O₇. The sodium to manganese ratio is unity. In the structure of this

ACCESSION NR: AP4043196

phase Mn and Na octahedra may alternate. A strong "dilution" by Na octahedra should strongly decrease or altogether exclude Mn-Mn interactions. The crystals exhibit red luminescence under UV excitation; they do not luminesce under x-ray excitation. The appearance of a 650 mµ band at room temperature can be ascribed to the considerable weakening or the complete absence of the Mn-Mn interaction. The absorption spectrum taken on an EPS-2V spectrophotometer is described. The chemical analysis was performed by V. S. Bykova. "The authors thank Academician N. V. Belov for help in carrying out the work and Dr. of Phys.-math Sci. L. M. Belyayev for a useful discussion of the results."Orig. art. has: 3 tables and 3 figures.

ASSOCIATION: Institut kristallografii AN SSSR (Institute of Crystallography AN SSSR)

SUBMITTED: 19Sep63

ENCL: 01

SUB CODE: SS

NR REF SOV: 001

OTHER: 002

Card 3/4

LITVIN, B.N.; DIANOVA, I.M.; KACHAN, L.A.

Synthesis and properties of single crystals of the composition Na₂0·2Mn0·2SiO₂. Kristallografiia 9 no.4:571-574 Jl-Ag '64. (MIRA 17:11)

1. Institut kristallografii AN SSSR.

DIANOVA, K.G.

Composting peat. Mikrobiol. zhur. 17 no.4:66-67 '55 (MLRA 10:5)

1. Z Institutu mikrobiologii AN URSR (COMPOST) (PRAT)

USSR/Soil Science - Organic Fertilizers.

J-4

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39030

Author

: Dianova, K.

≭ Inst

: Dianova, K.

Title

: Microbiological Study of Peat Composts. Communication 2. The Influence of Peat Composts on the Microflore of the

Rhizosphere of Agricultural Crops.

Orig Pub

: Mikrobiologichniy zh., 1956, 18, No 2, 11-16.

Abstract

: Experiments showed, that the introduction of peat composts in soil contributes to the increase of the total amount of microorganisms in the rhizosphere of potato and rye. In the potato rhizosphere in certain periods of the growth, amounifying, nitrifying, nitrofixing and cellulose decomposing soil activity increases as well as the content of

general and hydrolyzed nitrogen.

* Z INSTITUT MIKROBIOLOGII AN URSR.

Card 1/1

- 18 -

MARTAKOV, A.A.; DIANOVA, O.P.

Processing berries before the extraction of juice by a ferment preparation of Aspergillus niger. Trudy Inst.mikrobiol.i virus.AN Kazkah.SSR 6:146-154 '62. (MIRA 15:8)

(ASPERGILLIUS) (BERRIES) (ENZYMES)

MARTAKOV, A.A.; DIANOVA, O.P.; KRASNOSHCHEKOVA, V.S.

Evaluation of the activity of pectolytic enzymes based on the optical density and viscosity of the pectin solution. Trudy Inst. mikrobiol. i virus. AM Kazakh. SSR 7:69-76 163 (MIRA 16:12)

DIANOVA, R.G.

٠.

Mechanism of the hypotensive effects of platyphylline. Farm.i toks. 23 no.1:13-17 Ja-F '60. (MIRA 14:3)

l. Kafedra farmakologii Astrakhanskogo gosudarstvennogo meditsinskogo instituta (zav. - prof. G.A.Malov [deceased]) i kafedra farmakologii Kalininskogo gosudarstvennogo meditsinskogo instituta (zav. - dotsent M.M.Desnitskaya). (HYPERTENSION) (ALKALOIDS)

DIANOVA, R.G.

Effect of platphyllino on the activity of certain substances depressing the central nervous system. Farm. 1 toks. 23 no.2:106-109 Mr-Ap
160. (MIRA 14:3)

l. Kafedra farmakologii Astrakhanskogo gosudarstvennogo meditsinskogo instituta (zav. - prof. G.A.Malov [deceased]) i kafedra farmakologii Kalininskogo gosudarstvennogo meditsinskogo instituta (zav.-dotsent M.M.Desnitskaya). (ALKALOIDS) (PSYCHOPHAMMACOLOGY)

DIANOVA, R.G., assistent

Mechanism of corchoroside action on vessels. Trudy KGMI no.10:198-201 63. (MIRA 18:1)

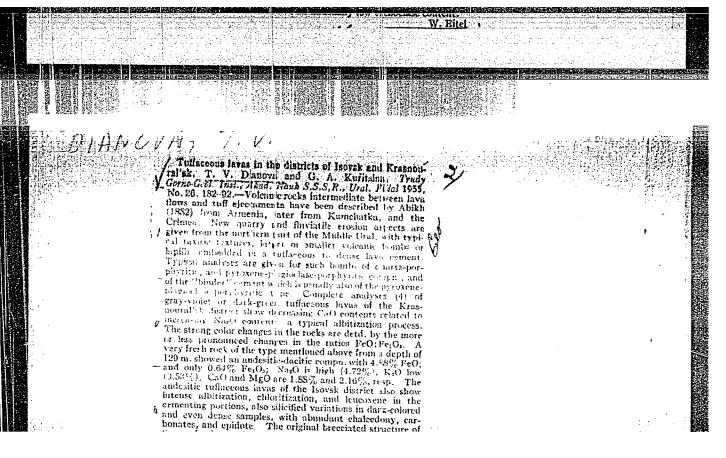
1. Iz kafedry farmakologii (zav. kafedroy - doktor med. nauk M.M. Desnitskaya) Kalininskogo gosudarstvennogo meditsinskogo instituta.

DIANOVA, R.G.

Effect of strophantin on vessels in changes of carbohydrate

Effect of strophantin on vessels in changes of the metabolism. Farm. 1 toks. 28 no.1:55-57 Ja-F 165.

(MIRA 18:12) 1. Kafedra farmakologii (zav. - prof. M.M.Desnitskaya) Kalininskogo meditsinskogo instituta. Submitted July 23, 1963.



DIANOVA, T.V. Volcanic rocks in the eastern part of the Pavda region.
Gor.-geol.inst.UFAN SSSR no.33:3-139 '59. (MIRA 13:4)
(Ural Mountains-Rocks, Igneous)

Su.	Lfide mine Ltanove py 3-160. 159.	rite deposit.	rocks of the Trudy Gor	e brecciated geol. inst.	UFAN SSSR	in the no.43: 13:11)
		ltanovo region	Pyrites)	(Brecci	a)	
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DIANOVA, T.V.

Examples of ancient tuff lavas in volcanogenic strata of the Central Urals. Trudy Lab. vulk. no.20:165-168 '61. (MIRA 14:11)

1. Gornogeologicheskiy institut Ural'skogo filiala AN SSSR. (Ural Mountains--Volcanic ash, tuff, etc.)

Some remarks on the nomenclature of effusive rocks. Izv.AN SSSR.
Ser.geol. 26 no.1:94-96 Ja *61. (MIRA 15:6)

(Rocks, Igneous-Nomenclature)

DIANOVA, T.V.

Vein rocks of the Sultanovskoye pyrite deposit in the Central Urals. Trudy Inst. geol. UFAN SSSR no.70:169-184 '65. (MIRA 18:12)

9.2560

21,875

S/109/61/006/007/015/020 D262/D306

AUTHORS:

Braginskiy, V.B., Dianova, V.A., and Mustel', Ye.R.

TITLE:

Investigation of the operation of a frequency multiplier using the non-linear capacity of the p-n-

-junction

TERIODICAL: Radiotekhnika i elektronika, v. 6, no. 7, 196), 1173 - 1177

TEXT: The above problem was investigated for large coefficients of multiplication (up to n = 50). Main scheme of the multiplier is given in Fig. 2. The multiplier consists of a 70 ohm coaxial line and a standard coaxial - waveguide passage. In the gap is situated diode 1, with its non-linear capacity. An alternating potential from a generator (frequency range: 184 - 600 Me/s) is connected to the input of the multiplier through a constant attenuator (10-12 db). Maximum power from the generator: 3.5 W. Coaxial piston 2 and the non-linear element form the input contour. Piston 2 is isola-

Card 1/5

21,875

Investigation of the ...

S/109/61/006/007/015/020 D262/D306

ted from the outside tube of the coaxial. The output contour is formed by coaxial piston 3 and two quarterwave beakers 4. Through a diaphragm it is connected with a rectangular resonator which filters out the harmonics of a corresponding n-number. The Q-factor of the resonator is 200, which reduces the nelghboring harmonics with 20 db in comparison. Without filtering, these harmonics are 5 times smaller, than the chosen harmonics. The output signal is fed into a spectroanalyzer, specially calibrated for power, or into a standard power meter. The output power of the multiplier is shown graphically as a function of the number of harmonics. Input signal changed from 184 to 600 Mc/s, output signal (9000 Mc/s) and input power remained constant. The ordinate represents the ratio of the output power of n-th harmonics to that of the 49th harmonics. At input power P_f = 100-150 mW, the output power saturates, there for smaller coefficients of multiplication. For the investigation of phase stability 2 identical multipliers were used, with two valves and measuring line of the same direction. The signal came from a common generator. After 1½ hours of warming up, the device

Card 2/5

24875

Investigation of the ...

S/109/61/006/007/015/020 D262/D306

was working for 9 hours without break. The amplitude changed by 19 %. Change in phase difference was less than 60° . To investigate the possibilities of modulation, an additional 10 Mc/s alternating signal was fed in. The spectro-analyzer showed a split of the line into components, standing at 10 Mc/s from each other. With large modulation it is possible to redistribute the energy between the central line and the side components. The greatest observed output power: 2.5 mW (n = 36, $\tau = (R_{\rm g}C)_{\rm u=-10v}$ = 0.36 · 10-12 sec)

the input power being of the order of 250 mW. This means that the transformation loss was not more than 20 db, which is 11 db better than the minimum loss observed, when an active non-linear element is used with an ideal filtering system on the same harmonics. The coefficient of power transformation and the magnitude of output power are slightly higher than those for a two-cascade multiplier. This type of multiplier can be used in measurements and also as a high-stability heterodyne. To achieve power of the order 1 mW, the time constant of p-n junction of the diode should be better than

 $1 \cdot 10^{-12}$ sec. There are 6 figures and 7 non-Soviet-bloc referencerd 3/5

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Investigation of the ...

\$/109/61/006/007/015/020 D262/D306

ces. The references to the 4 most recent English-language publications read as follows: C.H. Page, Harmonic generation with ideal rectifiers, Proc. I.R.E., 1958, 46, 10, 1738; D. Leenev, A. Whlir, Jr., Generation of harmonics and subharmonics at microwave frequencies with p-n junction diodes, Proc. I.R.E., 1959, 10, 1724; D.B. Leeson, S. Weinreb, Frequency multiplication with non-linear capacitors — A circuit analysis, Proc. I.R.E., 1959, 12, 2076; R. Lowell, M. Kiss, Solid-state microwave power sources using harmonic generation, Proc. I.R.E., 1960, 7, 1834.

ASSOCIATION: Fizichesky fakulitet Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova, kafedra teorii kolebaniy (Faculty of Physics, Moscow State University im. M.V. Lomonosov, Department of Theory of Oscillations)

SUBMITTED: November 17, 1960

Card 4/5

S/109/62/007/002/020/024 D256/D303

9,4 000

AUTHUL:

Dianova. V.A., Maneshin, N.K., Mustel, Ye.R., and

Parygin, V.N.

TITLE: UH

UHF-multiplier with a high multiplication factor

PERIODICAL: Radiotek

Radiotekhnika i elektronika, v. 7, no. 2,1962, 348 - 349

TEXT: Preliminary results are reported on investigating a frequent multiplier with a p-n diode used as a non-linear capacity. The construction of the multiplier was essentially identical to that described previously by V.B. Braginskiy, et al. (Ref. 4: Radiotekhnika i elektronika, v. 6, no. 7, 1961, 1173), but the output frequency was increased to 24,000 Mcs/sec. The dependence of the output power upon the number of the harmonic is presented in the form of a graph showing that between the 32nd and 85th harmonics the power decreases smoothly by 14 db. The maximum signal observed was 70 db above the noise level. The time constant of the diode measured at - 10 V was 1.14 x 10^{-13} sec. At 660 Mcs/sec input frequency the multiplier Card 1/2

UHF-multiplier with a high ...

\$/109/62/007/002/020/024 D256/D303

was found to be adequate for heterodyne purposes, and it was used successfully for recording signals from a molecular generator. There are 2 figures and 1 Soviet-bloc reference.

ASSOCIATION: Fizicheskiy fakul*tet Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova (Faculty of Physics, Moscow State University im. M.V. Lomonosov)

SUBMITTED:

June 15, 1961

Card 2/2

L 19058-65 EWT(1)/EWA(h) Peb AFETR/ESD(c)/ESD(dp)

ACCESSION NR: AP4040918 5/0109/64/009/006/1079/1081

3

AUTHOR: Dianova; V. A.; Maneshin, N. K.; Mustel', Ye. R.; Pary*gin, V. N.

TITLE: Frequency multiplier with a nonlinear capacitance and high-Q circuits

SOURCE: Radiotekhnika i elektronika, v. 9, no. 6, 1964, 1079-1081

TCPIC TAGS: frequency multiplier, nonlinear capacitance frequency multiplier, 120 mc frequency multiplier

ABSTRACT: A new design (see Enclosure 1) of frequency multiplier is reported. The input resonator with an internal helical conductor is tuned to 120 m. its cold Q-factor is about 600. The output toroid resonator is tuned to an note in nonic of the input signal; its cold Q-factor is about 700-900. The nonlinear element is represented by a p-n diode which acts as a coupling between the two resonators. For maximum output, the distance x is selected between $\lambda_{mit}/4$ and $\lambda_{mit}/2$. Outputs of 10 and 5 mw were obtained experimentally with multiplication factors

Card 1/3

L 19058-65

ACCESSION NR: AP4040918

)

18 and 24 respectively; the input power was 250-300 mw. Another multiplier was tested which had a multiplication factor of 2 and was intended as one stage of a multistage converter. It was found that: (1) the single-stage converter with a nonlinear capacitance has a conversion factor higher by 10 db than the multiplier with a nonlinear resistance; (2) the single-stage multiplier has a higher conversion factor than the multistage multiplier. Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 09May63

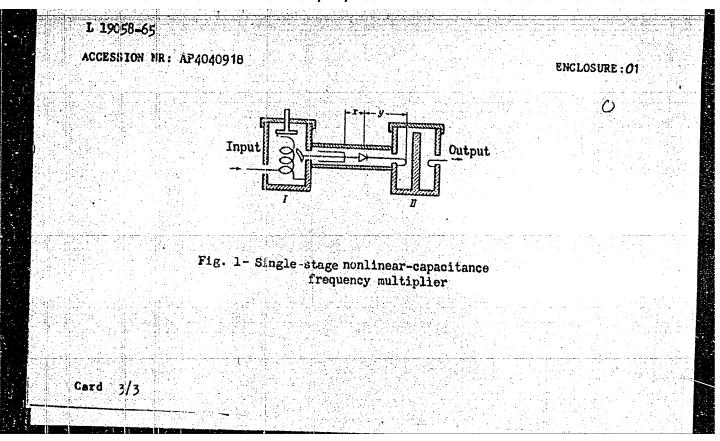
ENCL: 01

SUB CODE: EC

NO REF SOV: 003

OTHER: 003

Card 2/3



L 1,2963-65 EEO-2/EWT(d)/EWT(1)/EPF(c)/EEC-1/EEC(t)/EEC(b)-2/EED-2 Pm-1/P1-1/ Pac-4 IJP(c) GG/WN UR/0109/65/010/004/0776/0772 ACCESSION NR: AP5010115 41 48 Dianova, V. A.; Mustel', Ye. R.; Parygin, V. M. AUTHOR TITLE: Modulation of light by means of toroidal resonators with ADP crystals SOURCE: Radiotekhnika i elektronika, v. 10, no. 4, 1965, 770-772 TOPIC TAGS: nonlinear optics, ADP crystal, light modulation, pulsed modulation, teroidal modulator ABSTRACT: Modulation of light by ADP crystals is discussed. A modulator of the type shown in Fig. 1 of the Enclosure was used in the study. The ADP crystal was placed in a toroidal resonator with its optical axis in the direction of the electric field. The light was propagated in the same direction. If the light is polarized along one of the main crystal planes, the light behind the resonator is elliptically polarized. In the experiments, light was pulse-modulated (pulse width, 3 usec; repetition rate, 800 cps; pulse power, ~ 400 w) at frequencies of 204 Mc and 700 Me. In the first case an ADP crystal (Ccr 2 12 pf) 40 mm in diameter and 12 mm thick was used. The loaded Q of the resonator was \$ 500. The percentage modulation was \$ 18%, which corresponds to a phase shift of \$ 50%. A mirror placed on the output side of the modulator causes the beam to pass twice through the crystal. This doubles the phase shift and increases the percentage modulation to 45%

sponse at 3900 <u>d</u> es.	300 Å) and an oscillograph.	Orig. ar	has: 3	formulas [YK]
sponse at 3900 4	CU COTOMITAN NO MANGE AN A.			ier formulas
sponse at 3900 4	CU COTOMITAN NO MANGE AN A.			
8 8	ponse at 3900 +	ponse at 3900 ± 300 Å) and an oscillograph.	ponse at 3900 ± 300 Å) and an oscillograph. Orig. ar	ras 33% at a 1.2-w modulating signal and 10% at an input power of use modulation was determined by means of an PEU-17A photomultiple ponse at 3900 + 300 Å) and an oscillograph. Orig. art. has: 3 s. Fizicheskiy fakul!tet Moskovskogo gosudarstvennogo universitet sova, Kafedra teorii kolebaniy (Physics Department, Mascow State

761/16-66 PST(d)

SOURCE CODE: UR/0109/66/011/905/0947/0949

AUTHOR: Dianova, V. A.; Mustel', Ye. R.; Parygin, V. N.

ORG: Physics Department, Oscillation Physics Section, Moscow State University im.
M. V. Lomonosov (Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta.
Kafedra fiziki kotebaniy)

TITLE: Light modulation by 3.2 cm wave

SOURCE: Padiotekhnika i elektronika, v. 11, no. 5, 1966, 947-949

TOPIC TAGS: modulated light, optic modulator

ABSTRACT: An experimental investigation of light modulation was made at a frequency of 9260 Mc using the linear electro-optic effect in a single ADF crystal. A cylindrical resonator, in which E₀₁₀-type oscillations were excited, was used to produce the required longitudinal electric field. To reduce losses due to uhf and to increase the modulation efficiency, the resonator was partially filled with an electro-optical medium. A crystal, 3 mm in diameter and 10 mm long, was used for this resonator. Light modulation was accomplished in a pulsed regime with a large duty factor. With a 145-w modulating power a phase shift of 0.46 was obtained, which in turn corresponded to a modulation depth of 44%; with a modulating power of 9 w the modulation depth was 12%. The quality of the modulator for such a system was 1.4·10⁻³ rad²/w.

Card 1/2

UDC: 535.241.13

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in the phase shift A shift in the uhf reduced the modulat	at crystal outpu field phase by m	ical resonators with active by the same to was obtained for from the optimum plo. This confirmed rig. art. has: 3 for the same to the same	generator. An the case of an hase at wavelen	increase of 1.75 optimum phase.
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ACC NR: AP6036381 (N) SOURCE CODE: UR/0109/66/011/011/2082/2085

AUTHOR: Dianova, V. A.: Mustel', Ye. R.; Fishuk, A. P.

Department of Physics,

ORG: Moscow State University im. M. V. Lomonosov Moskovskog gosudarstvennogo universiteta)

TITLE: Frequency conversion using double modulation of light

SOURCE: Radiotekhnika i elektronika, v. 11, no. 11, 1966, 2082-2085

TOPIC TAGS: light modulation, frequency conversion

ABSTRACT: D. J. Blattner and F. Sterzer proposed a system for optical-band frequency conversion which permits using low-frequency photo detectors for reception of SHF-signal-modulated light. The system comprises an electro-optical crystal (frequency converter), an analyzer, and a photo detector. A light modulated at frequency ω_i falls on a crystal placed in a field of frequency ω_i ;

Cord 1/2

ACC NR: AP6036381

the resulting light after the analyzer comes modulated by combination frequencies $m\omega_1\pm n\omega_2$, where m and n are equal to 0, 1, 2, 3, ... A lowest $\omega_1-\omega_2$ frequency is of practical importance. A further analysis of the above system points up the expediency of a polarization modulation (instead of AM); the polarization modulation system is simpler (the analyzer and two $\lambda/4$ -plates not needed) and promises a double efficiency of conversion; the same electro-optical crystal can be used for modulation and conversion of frequency. In an experimental verification, a resonator was excited at 700 and 701 Mc, and an output signal of 1 Mc was received at the output of a photomultiplier. "The authors wish to thank V. N. Parygin for discussing the results." Orig. art. has: 2 figures and 9 formulas. "RiA Rev., 1962, 23, 3, 407.

SUB CODE: 20, 09 / SUBM DATE: 23Feb66 / ORIG REF: 003

Card 2/2

DIAHOVA, V. V., USTINOVA, A. P., PETROVA, N. V., SHILOVA, S. A., TRACHERRO, N. R., KOROVINA, A. G. and GLADKIKH, S. G.

"The Epidemiology and Prophylaxis of Tick-Borne Encephalatis in Molotevskaya Chlast," an article Fresented at the Interoblast' Scientific-Practical Conference of Medical Workers of the Urals, Siberia, and the Far East, Krasnoyarsk, 8-12 Dec 55.

Sum. No. 1047, 31 Aug 56

L 38h2h-66 EWT(1)/FWT(m)/EWP(t)/ETT IJP(c) GG/WW/JW/JD

ACC NR. AP6025266 SOURCE CODE: UR/0057/66/036/007/1319/1320

ACC 14KI AL 0025200 SOUNCE CODE. UK/0057/00/050/0

AUTHOR: Vinogradov, Ye. A.; Dianov, Ye. M.; Irisova, N. A.

1.; Irisova, N. A.

ORG: Physics Institute im. P. N. Lebedev, Moscow (Fizicheskiy Institut)

TITLE: Measurement of dielectric characteristics of liquid nitrogen at wavelength

λ = 2.3 mm

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 7, 1319-1320

TOPIC TAGS: liquid nitrogen, dielectric constant, absorption coefficient

ABSTRACT: Measurements of dielectric characteristics of liquid nitrogen were made at wavelength $\lambda=2.3$ mm to study the properties of solids immersed in liquid nitrogen. The liquid nitrogen was kept in a polystyrene cryostat and a Michelson interferometer was used to obtain the refraction index by measuring the monochromatic wavelength in free space and in liquid nitrogen. The transmittance T of a layer of nitrogen with thickness d was measured to determine the coefficient of absorption K from the relationship $T=e^{-4\pi k} d/\lambda$. The following results were obtained coefficient of refraction, $n=1.196\pm0.007$; coefficient of absorption, $K=(1.6\pm0.3)\cdot10^{-4}$ for $\lambda=2$ mm, neglecting boiling of nitrogen at the walls of the Dewar. If the boiling layer at the walls is not neglected, then K can be as high as $4\cdot10^{-4}$.

SUB CODE: 20/ SUBM DATE: 20Nov65/ ORIG REF: 002/ ATD PRESS: 504/3
Cord 1/1 4 UDC: 537.226.1

DIANOVA, Ye.i.

Microbiological study of peat composts. Report No.1. Mikrobiol.zhur. 16 no.4:41-51 '54. (MIRA 10:1)

1. Z Institutu mikrobiologii Akademii nauk URSR.
(COMPOST) (SOIL MICROORGANISMS) (PEAT)

COUPTRY : USSR : Soil Science. Soil Biology. CaTeCORY ABS. JOUR. : RZhBiol., No. 3, 1959, No. 10673 : Dianova, Yo. I. : Academy of Solences, Ukrainian SSR AUTHOR HST, : Studies of Microbiological Processes During the Maturing TITLE of Paat Composts. ORIG. PUD. : V sh.: Mestu. organ. udobreniya USSR. Kiyev, AN Ukrask, 1957, 142-149 : It has been determined that with the maturing of peat-ARSTRACT manure composts with phosphorite fertilizer, the number of ammonifying, nitrifying, cellulose-destroying and butyric acid bacteria increases. In the initial period of composting, the non-sporogenous forms predominate which are later crowded out by actinomyces (Actinomyces fumosis, A. globisporus diastaticus). The author supposes that actinomyces can be one of the biological indicators of the degree of the maturity of the compost. The maximum content of available microflora in composts coincides with the CARD: 1/2

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CALEGORY	:	
ARS. JOUR.	: PShRiol., No. 3, 1959, No. 10673	
AUTHOR THST, TITLS	: :	
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AFSIPACT	: period of the greatest account of samily soluble found of a. The feasibility of the unlikestion of mature conjunt (Instead of manure) as a fermual for personautic with also established. — P. B. Gurfall	

DIANOVA, Ye.V. Net Same no hastavilizant

Therapy of second degree burns with preserved blood dressings.

Khirurgiia no.8:75 Ag '54. (MLRA 7:11)

1. Iz Stalingradskoy whelexnodoroxhnoy bol'nitsy.
(BURNS, therapy,
preserved blooddressings)
(SEROTHERAPY,
preserved blood dressings in burns)

DIANOVA, Ye. V.

DIANOVA, Ye. V. -- "The Anatomy of the Renal Arteries, Constant and Supplementary, and Their Intraorganic Branching." Stalingrad State Medical Inst. Stalingrad, 1955. (Dissertation for the Degree of Candidate of Medical Sciences.)

SO: Knizhnava letopis', No. 4, Moscow, 1956

DIANOVA, Ye. V., Cand Med Sci (diss) -- "The anatomy of the renal arteries, permanent and accessory, and the arteries of the kidney pelvis". Saratov, 1960.

11 pp (Min Health RSFSR, Saratov State Med Inst), 200 copies (KL, No 12, 1960, 130)

DIANOVA, Ye.V. (Salingrad, ul. Volgodonskaya, d.7, kv. 1)

Treating thrombophlebitis. Nov.khir.arkh. no.6:65-66 N-D '57.

(MIRA 11:3)

1. Khirurgicheskoye otdeleniye Stalingradskoy bol'nitsy No.11.

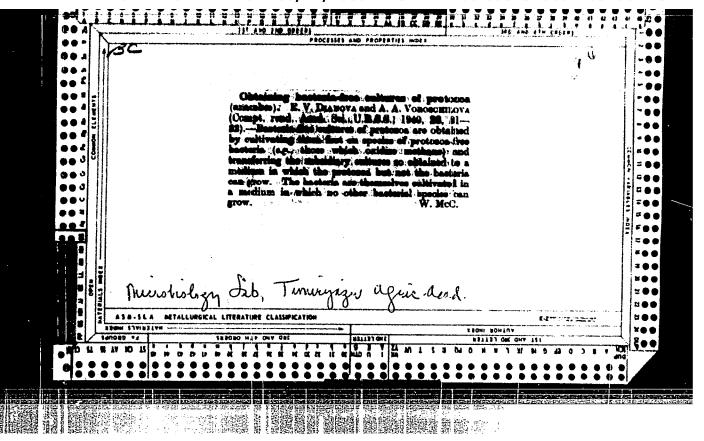
(VEINS--DISEASES) (NOVOCAINE)

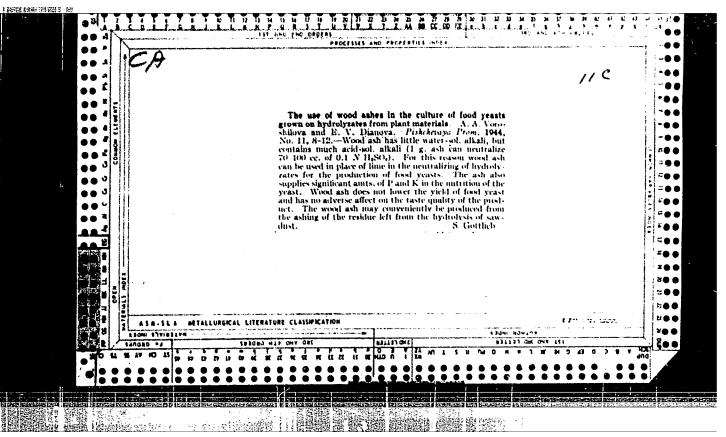
DIANOVA, Ye. and VOROSHILOVA, A.

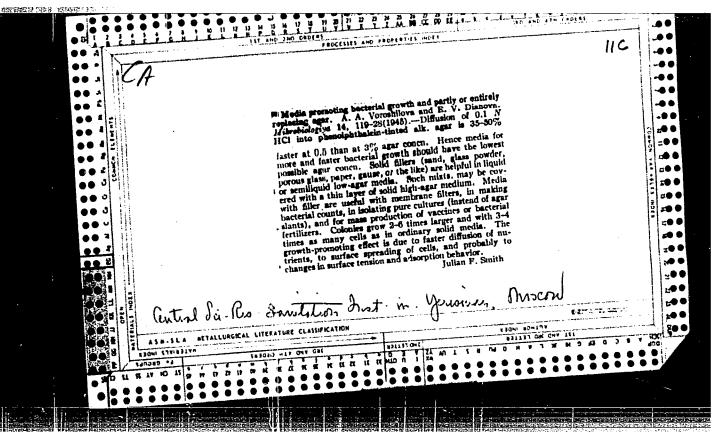
"Ultrafilters for Bacteriological Studies," Mikrobiologiya, 1, 271, 1932.

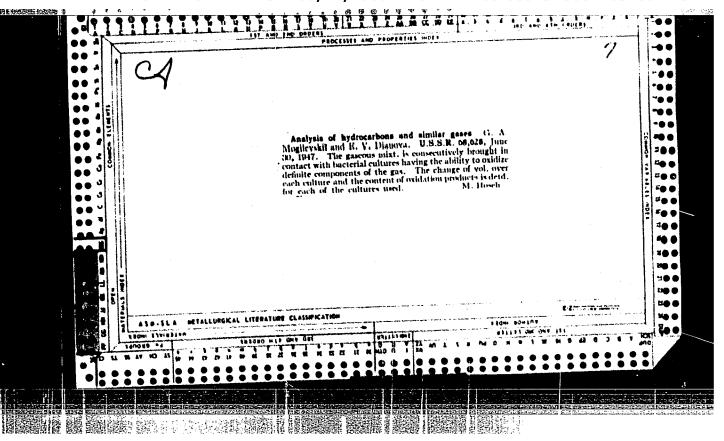
DIANOVA, Ye. and VOROSHILOVA, A.

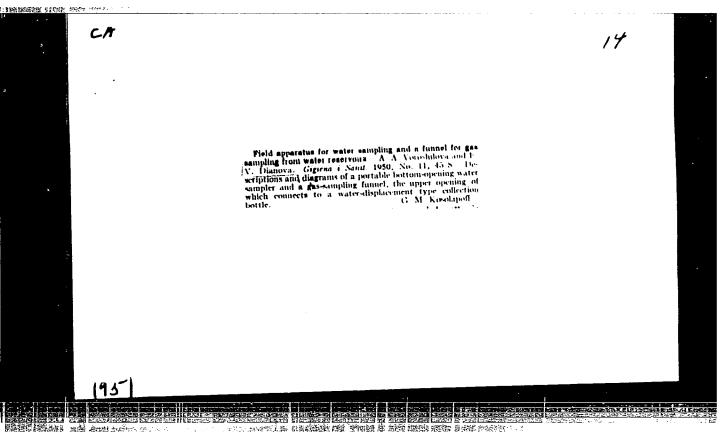
"Role of Plankton in the Multiplication of Bacteria in Isolated Samples of Seawater," Mikrobiologiya, 6, 741, 1937.

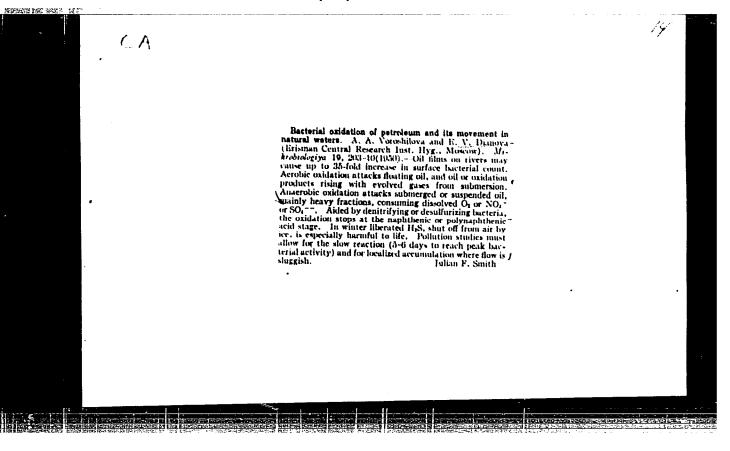




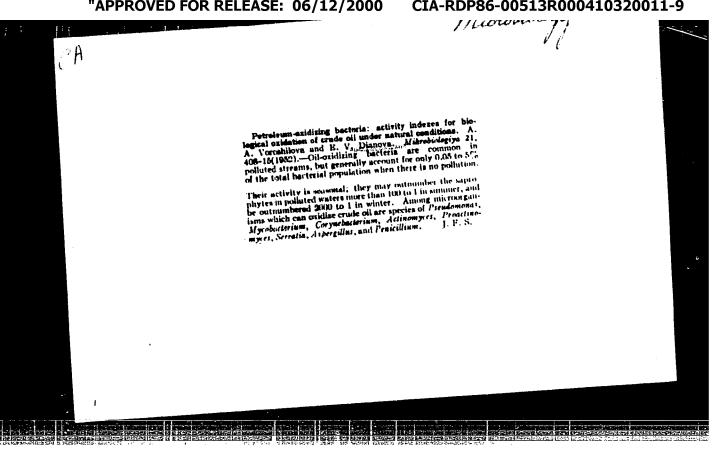








"Rules Pertaining to the Development of Sapro- phytic Bacteria in the Process of Salf-Purifi- A. A. Voroshilora, Cen Sei Exptl Sanitation "Microbiologiya" Vol 21, No 3, pp 311-320 Investigations showed that biol self-purifica- the matural development of bacteria in it. The development of bacteria depends on a number of speed of flow of river diln, soil important of speed of flow of river diln, soil deposits, and others. 231720 231720	- 1	· —						
icine - Sanitation ertaining to the Development acteria in the Process of Se. Contaminated Rivers, "E. V oshilova, Cen Sci Exptl Sanit Erisman logiya" Vol 21, No 3, pp 311 tions showed that biol selfater of contaminated rivers al development of bacteria in of bacteria depends on a river diln, soil deportable of river diln, soil depost ankton, presence of bacteric.								231 T20
			231.120		tal factors, the most : salt content of water, low of river dilm, soil ankton, presence of ba	231120	"Microbiologiya" Vol 21, No 3, pp 311-320 Investigations showed that biol self-purification of water of contaminated rivers depend on the natural development of bacteria in it. The development of bacteria on a number of	"Rules Pertaining to the Development of Sapro- cation of Contaminated Rivers," E. V. Dianova, Inst imeni Erisman



CIA-RDP86-00513R000410320011-9" APPROVED FOR RELEASE: 06/12/2000

DIANOVA, Ye.V.; VOROSHILOVA, A.A.

Method of detecting pathogenic bacteria with the aid of biological antiseptics. Gig.i san. no.5:35-38 My 154. (MLRA 7:5)

 Iz Nauchno-issledovatel¹skogo sanitarnogo instituta im. Erismana. (Bacteria, Pathogenic) (Antiseptics)

AID P - 3661

MAHOVA JYE , Y.

Subject : USSR/Medicine

Card 1/1 Pub. 37 - 7/19

Authors : Dianova, Ye. V., Voroshilova, A. A., Senior Scientific Workers

Title : Use of antibiotics for the separation of pathogenic bacteria of the intestinal group from river water and

other objects

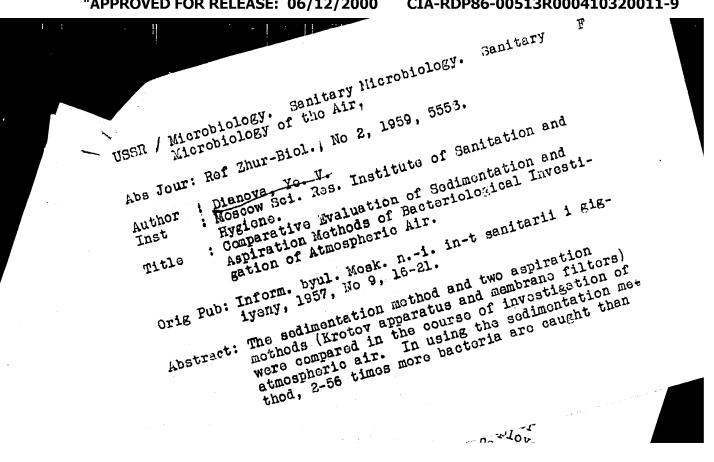
Periodical : Gig. i. san., 11, 32-37, N 1955

: Describes experiments with various antibiotics in culture Abstract

mediums and their effect on different types of bacteria.

Institution: Scientific Research Sanitation Institute im. Erisman

Submitted : J1 19, 1954



DIANOVA, Ye.V.

Use of hydrolytic media for the cultivation of microorganisms. Iab. delo 5 no.3:48-50 My-Je 159. (MIRA 12:6)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta imeni F.F. Erismana.

(BACTERIOLOGY--CULTURES AND CULTURE MEDIA)

KALINA, G.P.; DIANOVA, Ye, V.; BUGROVA, V.I.; KRYLOVA, M.D.; PONÓMAREVA, Ye.P.; STEPANENKO, V.K.; ZVEREVA.V.A.

Problems of sanitary bacteriology. Uch. map. Mosk mauch issl.san. i gig. no.4: Frontpage . '60 . (MIRA 16:11) Behavior of dysentery bacteria in an external medium. Ibid.:5-10

USSR / Microbiology. Sanitary Hicrobiology. Sanitary Microbiology of the Air,

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5553.

! Dianoya, Yo. V.

: Moscow Sci. Ros. Institute of Sanitation and Author Inst

Hygione.

: Comparative Evaluation of Sedimentation and Title

Aspiration Methods of Bacteriological Investi-

gation of Atmospheric Air.

Orig Pub: Inform. byul. Mosk. n.-i. in-t sanitarii i gig-

iyany, 1957, No 9, 16-21.

Abstract: The sedimentation mothod and two aspiration mothods (Krotov apparatus and membrano filtors)

were compared in the course of investigation of atmospheric air. In using the sedimentation method, 2-56 times more bacteria are caught than

Card 1/2

Sanitary USSR / Microbiology. Sanitary Microbiology. Microbiology of the Air.

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5553.

Abstract: by the aspiration mothods, which basically depends upon catching the large, heavy phase of bacterial aeroplankton. Therefore, in employing this method, the evaluation should be made only per 1 m2 of area. The aspiration methods give a more accurate picture of atmospheric microflora, since they catch various phases of aeroplankton. With the aid of aspiration methods, many chromogenic microorganisms (31-60% of all the bacterial and rather few sporo-forming bacteria (5-10%) are revealed. The sedimentation method encompasses considerably fewer chromogenic bacteria, while the percentage of determined spore-forming bacteria is increased. -- V. V. Vlodavets.

Card 2/2

28

CZECHOSŁOVAKIA

BELAK, M.; DIANOVSKA, M.; JENCIKOVA, J.; Laboratory of Electron Microscopy, Veterinary Faculty, University (Laboratorium Elektronovej Mikroskopie, Veterinarska Fakulta VSP), Kosice.

"On The Ultrastructure of Erythrocytes in the Intestine of Suckling Lambs."

Prague, Ceskoslovenska Fysiologic, Vol 15, No 5, Sep 66, p 367

Abstract: Epithelial cells in the intestine of healthy lambs age 1 to 35 days after a feed by mothers milk were investigated. In the cytoplasm of the enterocytes of the duodenum of 1 day old lambs a great number of vacuoles up to 7 microns long was found. In older lambs the phenomenon was not found. The importance of the resorption of food by the cells of the intestine in the transport and metabolism of food substances is discussed. If Western references. Submitted at 3 days of physiology of domestic animals at Liblice 9 Dec 65.

1/1

3 (5)
AUTHORS:

Korobov, S. S., Diarov, M.

SOV/20-126-4-42/62

TITLE:

On the Problem of the Effect of Tectonics on the Lithology of the Halogen Rocks (K voprosu o vliyanii tektoniki na litologiyu galogennykh porod)

galogennykh porod

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 4, pp 841 - 844 (USSR)

ABSTRACT:

The borings carried out in the Inderscope elevation showed the important role played by tectonics, as mentioned in the title. Due to considerable tensions occurring in the formation of the salt structures, and furthermore due to complicated and manifold deformations, to highly and unequal plastic properties of the saliferous rocks, greater masses of "cracked" and "brecciated" rocks form. Also epigenetic inner formation shifts of the lithological varieties which are accompanied by mineralogical transitions may occur. The nature of these phenomena of the "comminution" and "injection" depends on the character of those tectonic tensions which occurred in the various sections of the salt fold, and on the interrelation of the plastic properties of the rocks. The latter are determined not only by the structure and the composition of the crystalline lattices of the

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On the Problem of the Effect of Tectonics on the SOV/20-126-4-42/62 Lithology of the Halogen Rocks

minerals but also by the content of molecular relic humidity. The "main anhydrite" which is stratified on the basis of the Kurgantauskaya suite is torn into individual blocks and partly intersected by a number of different cracks orientated in different directions. They are (as in Germany, Ref 1) filled by different secondary formations: a) neutral mechanical injections of single minerals or rocks into others, and b) formations which are connected with deep mineralogic transformations in the presence of relic waters (lyes). Among the latter, polyhalite is the most wide-spread. It is often separated from anhydrite by a reaction rim. Such a high degree of substitution was not found in the Inder (Ref 3) although S. V. Borodina observed all substitution stages under the microscope. Halite which is more plastic than anhydrite fills - as well as sylvite - even small cracks. Cracks in halite are filled by carnallite, saliferous loam and preobrazhenskite. The results of a tectonic action concerning the two minerals mentioned last are of interest. A wide-spread rock forms: breccia-like halite-carnallite-kieserite-preobrazhenskite. The qualitative ratio of the minerals they contain is very unstable (Fig 1). The forma-

Card 2/3

On the Problem of the Effect of Tectonics on the SOV/20-126-4-42/62 Lithology of the Halogen Rocks

tion of boron in halite (Ref 4) may be apparently explained by the shifting of the preobrazhenskite together with the relic solutions which form in the salt dehydration due to the dynamic metamorphism. There are 4 figures and 4 Soviet references.

PRESENTED: Febru

February 21, 1959, by N. M. Strakhov, Academician

SUBMITTED:

February 21, 1959

Card 3/3

DIAROV, M.

Effect of the composition of haloid rocks on the formation of the cap rock. Vest.AN Kazakh.SSR 16 no.8:93-95 '60.

(MIRA 13:9)

(Salt deposits)

DIAROV, M.; DOGALOV, A.B.

Secondary variations in halogen rocks under the conditions of salt dome structures. Izv. AN Kazakh. SSR. Ser. geol. no.1:86-88 '61. (MIRA 14:6)

DIAROV, M.

Effect of lithology of halogens on the formation of cap-rock. Trudy Inst.geol.nauk AN Kazakh.SSR no.4:100-102 '61.

(MIRA 14:10)

(Caspian Lowland -- Salt domes)

VOROB'YEV, N.K.; DIAROV, M., TUKHFATOV, K.

Role of the gergeit horizon in correlating the geological sections of individual salt domes in the Caspian Sea region. Vest. AN Kazakh. SSR 18 no.10:82-85 0 '62.

(MIRA 17:9)

DIAROV, M.

Composition of potassium horizons in one of the salt domes of the Caspian Sea region. Izv.AN Kazakh.SSR.Ser.geol. 22 no.5:71-75 S-0 '65. (MIRA 18:12)

Institut geologii i geofiziki Ministerstva geologii SSSR,
 Gur'yev.

DIAROVA, G.S.

Gyrodactylus cyprini, a new monogenetic trematode of carp. Trudy Inst. zool. AN Kazakh. SSR 22:148-149 '64. (MIRA 17:12)

DIBROVA, A.T.; LEMPERT, M.D.

Proteins and protein fractions of the blood in tuberculosis of the kidneys and nonspecific pyelonephritis. Trudy Kish. gos. med. inst. 24:123-126 64 (MIRA 18:1)

1. Urologicheskaya klinika Kishinevskogo gosudarstvennogo meditsinskogo instituta i biokhimicheskaya laboratoriya Moldavskoy Respublikanskoy klinicheskoy bol'nitsy.

DIAS, L.

New nozzles against weeds in flax fields, p. 279. (Mechanisace Zemedelstvi, Vol. 7, no. 12, June 1957. Praha, Czechoslovakia)

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